

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	103	"5896562"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/14 17:37
L2	8	l1 and nokia	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/14 17:37
S1	1127	455/73.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/08 11:05
S2	900	S1 and (@rlad<"20030225" OR @ad<"20030225")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 11:03
S3	0	S2 and ((respective modulator) same (transmit\$4 and receiv\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 11:04
S4	60	S2 and (reduc\$4 near3 (component or part))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 12:09
S5	223	transceiver same (frequency adj2 modulator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 12:10
S6	1	transceiver same ((frequency adj2 modulator) same (charge adj2 pump))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 12:11
S7	1	(transceiver or (transmit\$4 and receiv\$4)) same ((frequency modulator) and (charge adj3 pump) and (phase compar\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 12:14

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S8	41	(transceiver or (transmit\$4 and receiv\$4)) same ((frequency modulator) and (phase compar\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 12:46
S9	21353	transceiver.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 12:22
S10	11	S9 and (frequency modulator).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 13:09
S11	5877	digital near2 (transceiver or ((transmit\$4 and receiv\$4) near2 (apparatus or device or unit or station)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 12:50
S12	4877	S11 and (@rlad<"20030225" or @ad<"20030225")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 12:37
S13	71	S12 and (frequency modulator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 12:37
S14	76	S11 and (frequency modulator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 12:45
S15	1	(transceiver and (frequency modulator) and amplifier and (phase noise) and (charge pump)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 12:49
S16	146	S11 and (phase noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 12:50
S17	28	S16 and (charge pump)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 12:50

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S18	28439	noda.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 13:03
S19	2	S18 and (transceiver and (frequency modulator))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 13:03
S20	6	S18 and (frequency modulator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 13:04
S21	1464	S18 and (transceiver or (transmit\$4 and receiv\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 13:04
S22	219	S18 and (transceiver or ((transmit\$4 and receiv\$) near2 (apparatus or device or unit or station)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 13:07
S23	29646	(matsushita electric industrial).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 13:07
S24	76	S23 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 13:08
S25	16	(digital near3 transceiver) same (frequency modulator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 13:11
S26	10	"6345173"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 13:12
S27	1	transceiver and (frequency modulator) and oscillator and (phase comparator) and (charge pump) and (antenna near2 switch) and amplifier and mixer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 14:06

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S28	2	transceiver and (frequency modulator) and oscillator and (phase comparator) and (antenna near2 switch) and amplifier and mixer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/27 14:08
S29	11	("4378534").PN. OR ("4494090"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/27 14:07
S30	11	("4812783"   "5428824"   "5483679"   "5689819"   "5793819"   "5825813"   "5831483"   "5892405"   "5929677").PN. OR ("6226499"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/27 17:28
S31	458	(frequency modulator) with (transmit\$4 and receiv\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/28 10:32
S32	104	(frequency modulator) near4 (transmit\$4 and receiv\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/28 10:32
S33	65	(frequency modulator) near3 (transmit\$4 and receiv\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/28 10:32
S34	31	(frequency modulator) near2 (transmit\$4 and receiv\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/28 10:40
S35	7	(frequency modulator) near1 (transmit\$4 and receiv\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/28 10:32
S36	38	(frequency modulator) near2 (transmit\$4 near4 receiv\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/28 10:44
S37	1	(frequency modulator) same ((phase noise) and (phase comparator) and oscillator and (charge pump))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/28 10:46

## EAST Search History

S38	1	(frequency modulator) same ((phase noise) and (charge pump))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/28 10:46
S39	1	(frequency modulator) same ((signal with (phase noise)) and (charge pump))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/28 10:48
S40	10	(frequency modulator) same (signal with (phase noise))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/28 10:57
S41	92	transceiver same (frequency modulator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/28 12:13
S42	7551	(frequency modulator).	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/28 12:13
S43	6466	S42 and (@rlad<"20030225" or @ad<"20030225")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/28 12:14
S44	893	S43 and (frequency modulator).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/28 12:15
S45	1	S44 and (charge pump).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/28 12:15
S46	37	("3323062"   "3328727"   "3693113"   "4052672"   "4153884").PN. OR ("4755774").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/28 12:25
S47	3	(frequency adj2 modulator) same ((signal near generat\$4) and oscillator and divider and filter and (phase near compar\$4) and (charge adj2 pump))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 11:46

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S48	6	("20040196939"   "20050135505"   "3835404"   "4023103"   "4229825"   "6876710").PN. OR ("7043202").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/09/29 11:43
S49	3	(frequency modulator) same ((signal adj generat\$4) and oscillator and divider and filter and (phase adj compar\$4) and (charge adj pump))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 11:48
S50	987	((signal adj generat\$4) and oscillator and divider and filter and (phase adj compar\$4) and (charge adj pump))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 15:36
S51	79	((signal adj generat\$4) same oscillator same divider same filter same (phase adj compar\$4) same (charge adj pump))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 15:26
S52	16	((signal generator) same oscillator same (frequency divider) same (low pass filter) same (phase adj compar\$4) same (charge pump))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 15:30
S53	7551	(frequency modulator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 15:30
S54	1	S53 and S52	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 15:30
S55	1	(frequency modulator) with ((signal adj generat\$4) and oscillator and divider and filter and (phase adj compar\$4) and (charge adj pump))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 15:32
S56	6466	(frequency modulator) and (@rlad<"20030225" or @ad<"20030225")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 15:32
S57	987	((signal adj generat\$4) and oscillator and divider and filter and (phase adj compar\$4) and (charge adj pump))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 15:51

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S58	5	S56 and S57	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 15:33
S59	13	modulator same ((signal adj generat\$4) and oscillator and divider and filter and (phase adj compar\$4) and (charge adj pump))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 15:47
S60	2	modulator same ((signal generator) and oscillator and (frequency divider) and filter and (phase comparator) and (charge pump))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 15:49
S61	0	((modulator.ti.) or (modulator.clm.)) same ((signal generator) and oscillator and divider and filter and (phase comparator) and (charge pump))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 15:50
S62	73429	((modulator.ti.) or (modulator.clm.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 15:50
S63	76	S62 and ((signal adj generat\$4) and oscillator and divider and filter and (phase adj compar\$4) and (charge adj pump))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 15:52
S64	2164	(frequency modulator).ti. or (frequency modulator).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 15:51
S65	3	S64 and ((signal adj generat\$4) and oscillator and divider and filter and (phase adj compar\$4) and (charge adj pump))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/29 15:52
S66	32	"5610955"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/10/02 08:33
S67	0	(frequency near3 divider) same (((modulat\$3 and (non-modulat\$3)) near3 divider) with switch)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/05 18:04

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S68	0	((frequency near3 divider) same (((modulat\$3 and (non-modulat\$3)) with divider) with switch)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/05 18:04
S69	1	(((modulat\$3 and (non-modulat\$3)) with divider) with switch)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/05 18:04
S70	1	(((modulat\$3 and (non modulat\$3)) with divider) with switch)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/05 18:05
S71	2	(((modulat\$3 and (non near2 modulat\$3)) with divider) with switch)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/05 18:05
S72	1	(((modulated and (non-modulated)) with divider) with switch)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/05 18:05
S73	1	(modulated and (non-modulated)) with divider with switch	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/05 18:06
S74	1	(modulated with (non-modulated)) with divider with switch	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/05 18:06
S75	6063	((frequency near3 divider) with switch	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/05 18:06
S76	1456	S75 and modulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/05 18:06
S77	5	S76 and (non-modulat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/05 18:07



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S78	5642	(frequency divider) with switch	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/05 18:11
S79	4559	S78 and (@rlad<"20030225" or @ptad<"20030225" or @ad<"20030225")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/05 18:11
S80	2	S79 and (modulated and non-modulated)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/05 18:12
S81	30	(frequency with divider) same (modulat\$3 with ((non-modulat\$3) or (non modulat\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/18 17:43
S82	4	(frequency with divider) same (modulat\$3 with ((non-modulat\$3) or (non modulat\$3)) same switch)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/18 17:37
S83	1	2005-721788.NRAN.	DERWENT	ADJ	ON	2007/03/18 17:40
S84	1	2005-721788.NRAN.	DERWENT	ADJ	ON	2007/03/18 17:40
S85	13	(frequency with divider with (modulat\$3 and ((non-modulat\$3) or (non modulat\$3))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/18 17:44
S86	0	(first with (frequency adj2 divider)) same (second with (frequency adj2 divider)) same (modulated near2 signal) same (non-modulated near2 signal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/08 11:07
S87	7	((first with (frequency adj2 divider)) same (second with (frequency adj2 divider))) and ((modulated near2 signal) same (non-modulated near2 signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/08 11:18
S88	7	((first with (frequency adj2 divider)) same (second with (frequency adj2 divider))) and ((modulated adj2 signal) same (non-modulated adj2 signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/08 11:18

## EAST Search History

S89	6	((first with (frequency adj divider)) same (second with (frequency adj divider))) and ((modulated adj signal) same (non-modulated adj signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/08 11:19
S90	6	((first with (frequency adj divider)) same (second with (frequency adj divider))) and ((modulated adj signal) and (non-modulated adj signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/08 11:20
S91	11	(frequency adj divider) with switch with (modulat\$3 adj2 frequency adj2 divider)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/08 11:22
S92	0	(frequency adj divider) with switch with (modulat\$3 adj2 frequency adj2 divider) with (non-modulat\$3 adj2 frequency adj2 divider)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/08 11:21
S93	11	(frequency adj modulator) with (frequency adj divider) with switch	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/08 11:22
S94	0	("2005/0124377").URPN.	USPAT	ADJ	ON	2007/08/08 11:27
S95	21	("4862107"   "5144254"   "5150078"   "5194828"   "5319680"   "5422604").PN. OR ("5825813").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/08 11:51
S96	11	("4812783"   "5428824"   "5483679"   "5689819"   "5793819"   "5825813"   "5831483"   "5892405"   "5929677").PN. OR ("6226499").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/08 12:10
S97	0	(frequency adj modulator) with (frequency adj oscillator) with (first adj frequency adj divider) with (power adj amplifier) with (antenna adj terminal) with (antenna adj switch) with (first adj branch adj port) with (common adj port) with (second adj branch adj port) with filter with (high-frequency adj amplifier) with mixer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/08 15:56